

FIG. 1

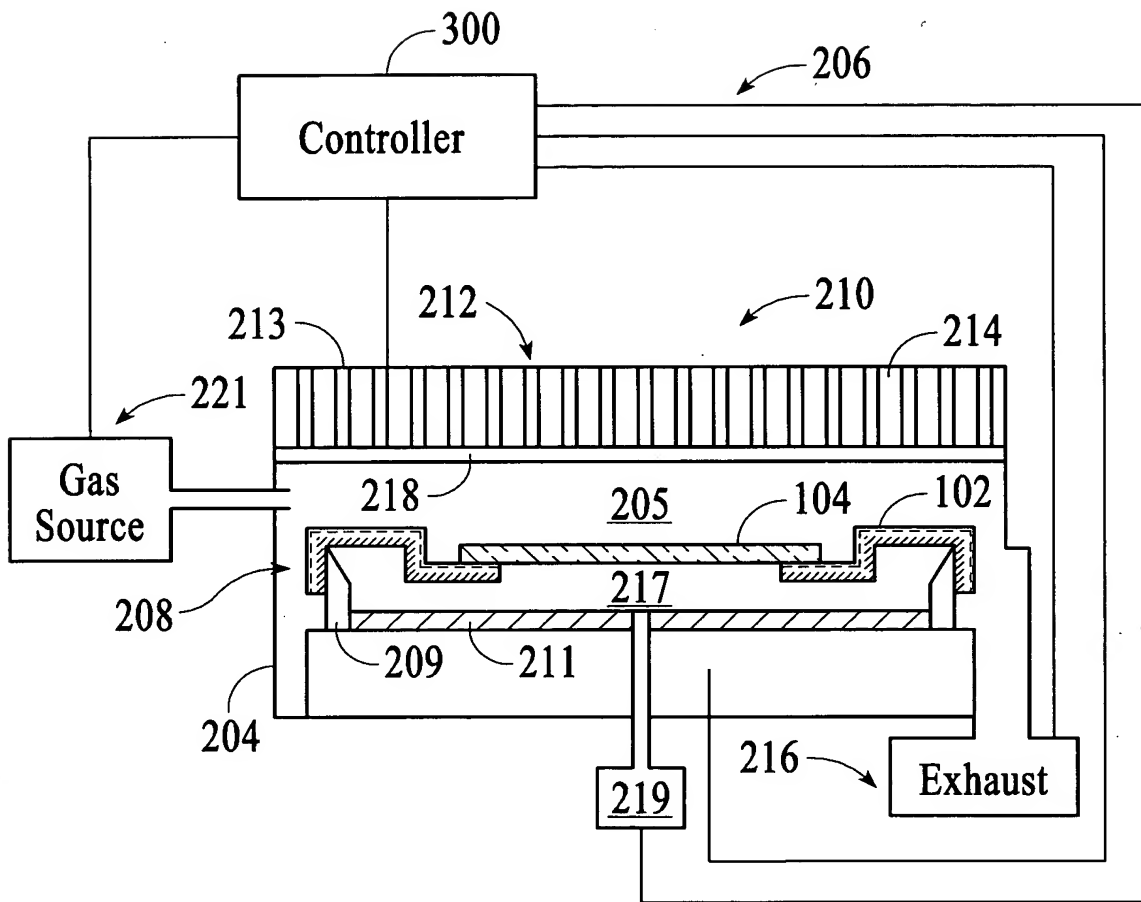
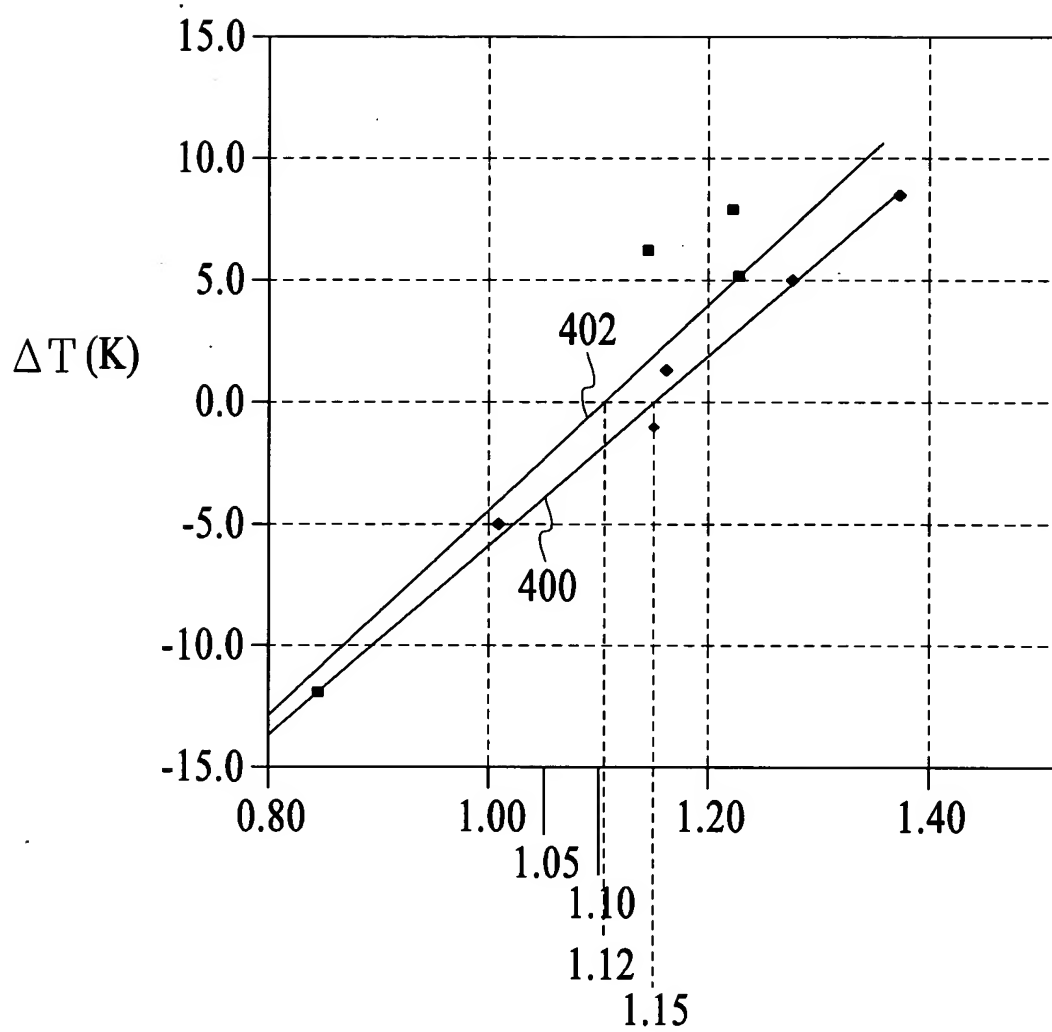


FIG. 2



$$R_{rs} = R_{\text{ring}} / R_{\text{substrate}}$$

FIG. 3